Name:		



Math worksheet on 'Fraction Manipulation Algebra - Orientation 2 (Level 4)'. Part of a broader unit on 'Algebra Manipulating Variables - Advanced'

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1 Solve the fraction for the '?' in terms of the variables and reduce.	$oldsymbol{a} \cdot b$	$^{\mathtt{b}}\!3b$	$egin{array}{c} {f c} \ 2a \cdot b \end{array}$
2?	2	$\overline{4a}$	6
$2a = \frac{1}{2b}$	$^{ t d}b$	${}^{f e}\!3a$	
30	\overline{a}	$\overline{4b}$	

2 Solve the fraction for the '?' in terms of the variables and reduce.	$^{\mathtt{a}}a$	$a\cdot c$	$^{\circ}c$
2?	$\overline{2c}$	2	$\overline{2a}$
$2a=\frac{1}{2}$	$^{\scriptscriptstyled}c$		
2c	$\frac{-}{a}$		
	- Co		

3 Solve the fraction for the '?' in terms of the variables and reduce.	^{a}b	$egin{array}{c} \mathbf{b} \ 6a \cdot b \end{array}$	$^{\mathtt{c}}$ 3 a
37	\overline{a}	3	$\overline{6b}$
$3a = \frac{31}{2}$	b	$^{ extsf{e}}2b$	
20	$\overline{18a}$	$\overline{9a}$	

4 Solve the fraction terms of the variated	ables and	$^{\mathtt{a}}a$	$egin{array}{c} \mathbf{b} \ a \cdot b \end{array}$	$^{\mathtt{c}}b$
4	4?	4 <i>b</i>	4	<u>4a</u>
4a =	$\overline{4b}$			

5 Solve the fraction for the '?' in terms of the variables and reduce.	$^{\mathtt{a}}a$	$^{\scriptscriptstyleb}c$	$^{\circ}c$
2?	$\overline{2c}$	\overline{a}	$\overline{2a}$
$4a = \frac{1}{4c}$	$\frac{a \cdot c}{2}$		

6 Solve the fraction fo terms of the variable reduce.		$^{\mathtt{a}}3c$	$^{ t b}2c$	$egin{array}{c} \mathbf{c} \ 6a \cdot c \end{array}$
$2a = \frac{3}{3}$	3?	$\overline{6a}$	$\overline{9a}$	3
	$\frac{1}{3c}$			

7 Solve the fraction for the '?' in terms of the variables and reduce.	$egin{array}{c} \mathbf{a} \ 6a \cdot c \end{array}$	$^{ t b}\!3c$	$^{\mathtt{c}}\!2a$
2?	2	$\overline{4a}$	<u>6</u> c
$3a=\frac{2}{3}$	$^{ t d}2c$		
2c	$\overline{6a}$		